

**Community Advisory Council
December 13, 2018
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. BNL Update on CAC Request Letter
5. Natural and Cultural Resources Update
6. Agenda Setting
7. Improved Solar Forecasting Incorporating HD Sky Imaging
8. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, D. Bauer, J. Carter, S. Coleman, B. Dorsch, P. Genzer, D. Gibbs, R. Gordon, J. Granzen, T. Green, R. Howe, P. Kalb, D. Manning, R. McKay, D. Paquette, J. Remien, A. Sprintzen, N. Sundin, J. Wanless, T. Ziems

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on December 7, 2018. Items numbered three through five were available as handouts at the meeting.

1. Draft agenda for December 13, 2018
2. Draft notes from the November 8, 2018 meeting
3. Copy of presentation: Natural and Cultural Resources Update
4. Copy of presentation: Demonstration of Improved Solar Forecasting Incorporating HD Sky Imaging

3. Administrative Items

The meeting was called to order at 6:31 PM. Reed Hodgkin, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and draft agenda and those present introduced themselves.

BNL Update on CAC Request Letter

Jack Anderson, Deputy Director for Operations at BNL, told the CAC that Laboratory Director, Doon Gibbs is on his way to the meeting and should be arriving momentarily. He has been in Washington, DC all week. Anderson said on Tuesday, several members of Lab management were also in Washington DC to receive the Labs performance evaluation from DOE (Department of Energy). We received very constructive feedback. This information will be published on December 21 and I will give you a brief update at the next meeting after the results are made available. In other news, we had the groundbreaking ceremony at the NSLS II for the

Cryo-Em today. It was a wonderful event. He then acknowledged Steve Coleman and congratulated him on his recent promotion to Associate Laboratory Director, Environment, Safety & Health. Anderson thanked the CAC for the letter that they sent to Lab Director, Doon Gibbs, requesting additional testing offsite for PFAS (Per- and Polyfluoroalkyl Substances). He said it was a thoughtful and considerate letter and promoted vigorous discussions. The Lab has been and continues to be transparent and proactive. We continue to work toward a plan to characterize PFAS onsite with the EPA (Environmental Protection Agency), NY State, and the County. Phase 3 of our plan was submitted to the regulators today, which includes additional onsite treatment system monitoring. Last Friday, some of us went to NYC to meet with the EPA, NYS DEC (Department of Environmental Conservation) and DOH (Department of Health). We discussed the letter and spoke with them for over 2 hours. We have more work to do. The DEC will evaluate the need to investigate other PFAS sources and if warranted, will look into offsite testing. The regulators have asked the Laboratory to do some additional groundwater characterization at the south site boundary. The Department submitted a request to the County to follow up with additional information regarding those 97 off-site properties. We are anticipating a response from the County and then we will get together and discuss the next steps. We value our relationship with the CAC and plan to provide more details at the January meeting to keep you updated.

Hodgin said this topic will be on the January agenda.

Approval of Minutes

The November notes were approved as written with none opposed and seven abstentions.

4. Natural and Cultural Resources Update, Tim Green – Environmental Compliance Manager

Tim Green spoke about deer management and surveillance monitoring. He said Cs-137 in deer had similar results as past years. He said the Peconic River has been dry so there was no fish monitoring. It will probably be about two years until we have fish big enough for sampling. The final 2,600 sq. ft. area of the Peconic has been cleaned up. He talked about flora and fauna monitoring and the wildlife programs at BNL.

Green said this year; the Laboratory celebrated its 70th anniversary and 100th anniversary of Camp Upton. There were many opportunities for speaking engagements during the course of the year. He spoke about the benefits of prescribed fires and the 4-Poster systems. He said the NYS DEC is not a fan of the 4-Poster program because by feeding deer, we are contributing to chronic wasting disease. So, the Lab is experimenting with feeding less often.

Member Jordan-Sweet asked if invasive species are tracked while monitoring the river.

Green said yes.

Member Krupski asked if the 4-Posters are used to control deer population.

Green said yes, when we conduct a deer cull, we start at the feeding areas.

5. Agenda Setting

Nora Sundin, liaison to the CAC, said next month, there will be a presentation on the annual groundwater report and an update on PFAS. We will also try to get Chuck Black back on the agenda.

6. Improved Solar Forecasting Incorporating HD Sky Imaging, Paul Kalb - Deputy Chair, Environmental & Climate Science Department

Paul Kalb spoke about the growth in Solar power and the challenges associated with maintaining grid stability. He said solar forecasting allows utilities to predict the contributions from solar in near-term, short-term, and long-term timescales. He said a networking of sky imagers continuously collect real-time images of local clouds and custom software is used to identify and track cloud movements, estimating the impact on solar production and providing now casting predictions. Kalb said the LISF (Long Island Solar Farm), located on the BNL site, is the largest solar generating facility on the east coast.

Member Doroski asked why it is important to track the data.

Kalb said we need to anticipate fluctuations, so we know what to do. Solar energy is increasing, and the percentage of solar power in our grid is going to be higher than it is now. We have to deal with the fact that it is a variable energy source. As the level of available solar energy goes up and down, the folks that run the grid have to figure out what to do and how to manage it. If they don't have the data, they can't anticipate that and make good decisions.

7. Community Comment

There was no community comment.

The meeting adjourned at 8:40 PM.

Next meeting: January 10, 2019

CAC Agenda Setting Exercise – March 8, 2018

TOPICS

Solar Research/BNL Solar Farm	14	
BNL Expenditures, Priorities, Function	10	(June 2018)
BNL Business Connectivity – Doing business with BNL	10	(June 2018)
Energy Production Innovation (open to public forum at BNL)	9	
Biofuels	9	
NYS Power Grid	8	
Medical Radioisotopes	5	
Brookhaven Women in Science (BWIS)	5	
Holographic Principles of Quantum Mechanics	4	
Research related to Cancer cures	4	
Top Ten Scientific Discoveries	4	
Update on Prion Research	3	

				Jan	Feb	Mar	Apr No mtg.	May	June	July No mtg.	Aug No mtg.	Sep No mtg.	Oct	Nov	Dec
P = Present	2018	Affiliation	First Name	Last Name											
		ABCO – Civic (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan			P	P				P	P	P
		(Madigan -10/10)	Alternate	Michael	Madigan	P									
		American Physical Society – Business & Labor	Member	Reinhart	Schuhmann			P	P				P	P	P
		(Schuhmann 1/14, member 9/15)	Alternate	Donovan	Hall	P									
		Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta				P						
		Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz	P	P	P		P	P			P	P
		(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel	P				P				P	
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito	P	P	P		P	P			P	P
		(Somma 11/16)	Alternate												
		Colonial Woods Whispering Pines – Civic (Birben - 06/09) (O’Neal 01/15, removed 10/15)	Member												
		(Rehbein -11/10)	Alternate	Eric	Rehbein										
		Coram Civic Association (Ziems - 06/12)	Member	Paul	Ziems	P		P		P	P			P	P
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk			P	P					P	P
		East Yaphank Civic Association	Member	Michael	Giacomaro	P	P	P		P				P	P
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack			P	P					P	
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt										
		Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin			P	P					P	P
		(Pratka – 10/14)	Alternate	Craig	Pratka	P				P					P
		Friends of Brookhaven- BNL (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman	P		P		P	P			P	P
		(Schwartz - 11/02) (Ocko added 11/15)	Alternate	Steve	Schwartz			P		P					
			Alternate2	Ben	Ocko										
		Huntington Breast Cancer Coalition – Health-Based Rep	Member	Mary Joan	Shea			P							
			Alternate	Scott	Carlin										
		Individual	Member	Jane	Corrarino									P	P
		Individual	Member	Karen	Blumer					P					
		Individual	Alternate	Michael	Madigan			P	P					P	P
		L.I. Pine Barrens Society – Advoc & Env	Member	Richard	Amper										
		(Murdocco - 04/11, deleted 6/12) (Muller added – 8/12)(Katie Rose Leonard added – 6/13)(Muether added – 5/15)	Alternate	Katie	Muether	P		P		P					P
		L.I. Progressive Coalition – Advoc & Env	Member	David	Sprintzen	P	P			P	P			P	P

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P = Present	2018	Affiliation	First Name	Last Name											
			Alternate												
		Lake Panamoka Civic Association (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon				P					P	
		(Grandal - 10/10)	Alternate	Bonita	Grandal										
		Longwood Central School Dist. – Ed, Sci, & Tech (Castro -06/09)(Adams 9/15)	Member	Tracy	Adams										
		(Gerstenlauer removed & Sterne added 5/14 removed 9/15)(Infranco1/17)	Alternate	Paul	Infranco										
		Mastic Park Civic Association (Sicignano – 6/12)	Member	John	Sicignano		P	P		P			P	P	
			Alternate	Clara	McManus										
			Alternate	Joe	May										
		Middle Island Civic Association (Filler 2/17)	Member	Martin	Filler	P	P	P		P	P			P	P
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy										
		NSLS-II User Committee – BNL	Member	Jean	Jordan-Sweet	P	P	P		P	P				P
		(Ravel -02/11-9/15)(Bohon added 11/15)	Alternate	Jen	Bohon								P		
		Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)	Member	Wesley	Chattaway	P	P			P	P			P	P
		Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski			P		P					P
			Alternate	John	Stype	P							P		
		Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15) (Stafford 1/18)	Member	Christine	Stafford	P	P			P	P				P
			Alternate												
		Town of Brookhaven (Graves – 06/06) (removed 1/2015)	Member												
			Alternate												
		Town of Brookhaven, Senior Citizens Office - Government	Member	James	Heil	P	P			P					
			Alternate												
		Town of Riverhead - Government (Doroski - 04/11)	Member	Isidore	Doroski	P		P			P			P	
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp					P					P
		Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)	Member	Terri	Kneitel	P				P					
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett			P							